Refine Search

Search Results -

Terms	Documents
L12 and L13	0

US Pre-Grant Publication Full-Text Database US Patents Full-Text Database

Database:

US OCR Full-Text Database EPO Abstracts Database JPO Abstracts Database

Derwent World Patents Index IBM Technical Disclosure Bulletins

Search:

	•	Refine Search
Recall Text	Clear	Interrupt

Search History

DATE: Wednesday, September 07, 2005 Printable Copy Create Case

Set Name side by side	Query	<u>Hit</u> Count	Set Name result set
DB=7	TDBD; PLUR=YES; OP=OR		
<u>L14</u>	112 and 113	0	<u>L14</u>
<u>L13</u>	underground or (under adj ground) or buried or subterranean or geologic\$2	590	<u>L13</u>
<u>L12</u>	radar\$1	72	<u>L12</u>
DB=U	USOC; PLUR=YES; OP=OR		
<u>L11</u>	110 and identif\$8	8	<u>L11</u>
<u>L10</u>	19 and imag\$3	15	<u>L10</u>
<u>L9</u>	17 and 18	101	<u>L9</u>
<u>L8</u>	underground or (under adj ground) or buried or subterranean or geologic\$2	18331	<u>L8</u>
<u>L7</u>	radar\$1	10694	<u>L7</u>
DB=F	PGPB, USPT, EPAB, JPAB, DWPI; PLUR=YES; OP=OR		
<u>L6</u>	15 and identif\$8	62	<u>L6</u>

<u>L5</u>	l4 and imag\$3	168	<u>L5</u>
<u>L4</u>	11 and 13	628	<u>L4</u>
<u>L3</u>	underground.ti,ab. or (under adj ground).ti,ab. or buried.ti,ab. or subterranean.ti,ab. or geologic\$2.ti,ab.	162025	<u>L3</u>
DB=	PGPB; PLUR=YES; OP=OR		
<u>L2</u>	underground.ti,ab. or (under adj ground).ti,ab. or buried.ti,ab. or subterranean.ti,ab. or geologic\$2.ti,ab.	3716	<u>L2</u>
DB = 0	PGPB, USPT, EPAB, JPAB, DWPI; PLUR=YES; OP=OR		
<u>L1</u>	radar\$1.ti,ab.	45325	<u>L1</u>

END OF SEARCH HISTORY

Day: Wednesday



Date: 9/7/2005 Time: 09:52:27

Inventor Name Search Result

Your Search was:

Last Name = WITTEN First Name = ALAN

Application#	Patent#	Status	Date Filed	Title	Inventor Name
10118991	6700526			METHOD AND APPARATUS FOR IDENTIFYING BURIED	WITTEN, ALAN
				OBJECTS USING GROUND PENETRATING RADAR	
10769965	Not Issued	77	02/02/2004	Method and apparatus for identifying buried objects using ground penetrating radar	WITTEN, ALAN
10790301	Not Issued	41	03/01/2004	Method for reconstructing complex wave attributes from limited view measurements	WITTEN, ALAN
60490458	Not Issued	159	07/28/2003	Reconstructing wave speed and attenuation from limited view measurements	WITTEN, ALAN
09658188	Not Issued	160	09/08/2000	Ground penetrating radar array and timing circuit	WITTEN, ALAN J.
<u>09866575</u>	Not Issued	168		Ground penetrating radar array and timing circuit	WITTEN, ALAN J.
10079807	Not Issued	161	02/22/2002	Ground penetrating radar array and timing circuit	WITTEN, ALAN J.
60284921	Not Issued	159	04/20/2001	Method and apparatus for identifying buried objects using ground penetrating radar	WITTEN, ALAN J.
07406396	Not Issued	161	09/12/1989	GEOPHYSICAL IMAGING METHOD UTILIZING BACKPROPAGATION AND ZEROTH-ORDER PHASE APPROXIMATION	WITTEN, ALAN J.
60127433	Not Issued	159	04/01/1999	IMAGING DIELECTRIC AND CONDUCTIVITY FROM GROUND PENETRATING RADAR MEASUREMENTS	WITTEN, ALAN J.
60152607	Not Issued	159		GROUND PENETRATING RADAR ARRAY AND TIMING	WITTEN, ALAN J.

		CIRCUIT		
Inventor Search Co	mpleted: እ	No Records to Di	splay.	
Saarah Anathan Invant	Last Name		First Name	
Search Another: Invento	WITTEN	AL	AN	Search

To go back use Back button on your browser toolbar.

Back to PALM ASSIGNMENT OASIS Home page

FORWARD | BACKWARD SEARCH. 9/7/05, 10/769,965

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	("5644314").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/07 08:45
L2	24	("4706031" "4937580" "5280284" "5325095" "5327139" "5446461" "5486833" "5499029" "5557277" "5592170").PN. OR ("5644314"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/07 08:57
L3	2	("5592170").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/07 09:04
L4	31	("4381544" "4430653" "4691204" "4698634" "4967199" "5057846" "5248975" "5357253" "5361072").PN. OR ("5592170").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/07 09:13
L5	2	("5130711").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/07 09:13
L6	17	("3967282" "4062010" "4706031" "4721961" "4746867").PN. OR ("5130711"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/07 09:20

INTERFERENCE SEARCH.

10/769,965.

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	379	((342/22) or (342/27) or (342/59) or (342/175) or (342/176) or (342/179) or (342/189) or (342/195) or (342/196)).CCLS.	US-PGPUB	OR	OFF	2005/09/07 10:53
L2	32209	underground or (under adj ground) or buried or subterranean or geologic\$2	US-PGPUB	OR .	OFF	2005/09/07 10:54
L3	52	I1 and I2	US-PGPUB	OR	OFF	2005/09/07 11:03

Gregory, Bernarr

From:

PLUS

Sent:

Wednesday, September 07, 2005 12:39 PM

To:

Gregory, Bernarr

Subject:

PLUS Results for 10769965

Here are the PLUS search results for 10769965.

This search was prepared by the staff of the Scientific and Technical Information Center, SIRA. If you have questions or comments about this search, please reply via email to PLUS@uspto.gov.



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10769965_CLST 10769965_WDS.

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PLUS Search Results for S/N 10769965, Searched September 07, 2005

The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

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10769965_CLS.txt Most Frequently Occurring Classifications of Patents Returned From A Search of 10769965 on September 07, 2005

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73/574 3 73/661 73/661 152/525 175/40 180/168 257/301 257/E27.112 324/220 324/338 324/713 340/853.1 333 33333 340/853.5 33333 340/853.6 342/190 342/191 342/21 360/77.12 361/56 365/149 3333333333333 367/99 435/4 435/471 435/7.2 435/7.24 435/71.1 435/71.2 525/194 544/405 707/3 544/405 707/3 711/200 711/202 711/206 712/205 712/208 712/213 712/221 712/223 712/227 712/233 712/233 712/233 712/234 712/240 712/26 712/35 37/348 73/633 172/5 175/24 175/61 1/5/61 235/380 250/362 250/369 250/392 257/223 257/229 257/230 257/260 257/304 257/332 257/339 257/347 257/376 257/E21.537

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Titles of Most Frequently	y Occurring Classifica	tions of	Patents	Returned
From A Search of 1	Ó769965 on September O	7, 2005		

35 342/22 (30 OR, 5 XR)342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS Class AND DEVICES TRANSMISSION THROUGH MEDIA OTHER THAN AIR OR 342/22 FREE SPACE 15 712/217 (10 OR, 5 XR)712 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING Class SYSTEMS: PROCESSING ARCHITECTURES AND INSTRUCTION PROCESSING 712/216 DYNAMIC INSTRUCTION DEPENDENCY CHECKING, MONITORING OR CONFLICT RESOLUTION 712/217 .Scoreboarding, reservation station, or aliasing 13 712/23 (7 OR, 6 XR)Class 712: ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: PROCESSING ARCHITECTURES AND INSTRUCTION **PROCESSING** 712/1 PROCESSING ARCHITECTURE 712/23 .Superscalar 12 435/69.1 (6 OR, 6 XR)435 : CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY Class 435/41 MICRO-ORGANISM, TISSUE CELL CULTURE OR ENZYME USING PROCESS TO SYNTHESIZE A DESIRED CHEMICAL COMPOUND OR COMPOSITION 435/69.1 .Recombinant DNA technique included in method of making a protein or polypeptide 12 712/215 (4 OR, 8 XR) 712 : Class ELECTRICAL COMPUTERS AND DIGITAL PROCESSING PROCESSING ARCHITECTURES AND INSTRUCTION SYSTEMS: **PROCESSING** 712/214 **INSTRUCTION ISSUING** 712/215 .Simultaneous issuance of multiple instructions 11 342/195 (0 OR, 11 XR) 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS Class AND DEVICES 342/175 WITH PARTICULAR CIRCUIT 342/195 .Digital processing 10 435/325 (0 OR, 10 XR) 435 : CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY Class 435/325 ANIMAL CELL, PER SE (E.G., CELL LINES, ETC.); COMPOSITION THEREOF; PROCESS OF PROPAGATING, MAINTAINING OR PRESERVING AN ANIMAL CELL OR COMPOSITION THEREOF; PROCESS OF ISOLATING OR SEPARATING AN ANIMAL CELL OR COMPOSITION THEREOF; PROCESS OF PREPARING A COMPOSITION CONTAINING AN ANIMAL CELL; CULTURE MEDIA THEREFORE

342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS

Page 1

342/175

Class

(0 OR, 9 XR)

$\begin{array}{c} 10769965_\text{CLSTITLES.txt} \\ \text{AND DEVICES} \end{array}$

		342/175		WITH PARTICULAR CIRCUIT
9	9 3	42/27 Class 342/27	342	OR, 9 XR) : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES PRESENCE DETECTION ONLY
	9 4	35/320.1 Class	(0 435	OR, 9 XR) : CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY
		435/320	.1	VECTOR, PER SE (E.G., PLASMID, HYBRID PLASMID, COSMID, VIRAL VECTOR, BACTERIOPHAGE VECTOR, ETC.) BACTERIOPHAGE VECTOR, ETC.)
9	9 7:	12/218 Class	(4 712	OR, 5 XR) : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: PROCESSING ARCHITECTURES AND INSTRUCTION
		712/216 712/218		PROCESSING DYNAMIC INSTRUCTION DEPENDENCY CHECKING, MONITORING OR CONFLICT RESOLUTION .Commitment control or register bypass
		·		
·	7 3:	24/326 Class 324/323 324/326	324	OR, 4 XR) : ELECTRICITY: MEASURING AND TESTING OF GEOPHYSICAL SURFACE OR SUBSURFACE IN SITU .For small object detection or location
•	7 3	24/337 Class 324/323 324/332	324	OR, 7 XR) : ELECTRICITY: MEASURING AND TESTING OF GEOPHYSICAL SURFACE OR SUBSURFACE IN SITU .With radiant energy or nonconductive-type transmitter
		324/334 324/337		With separate pickup To detect return wave signals
•	7 4	35/252.3 Class		OR, 7 XR) : CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY
		435/243		MICRO-ORGANISM, PER SE (E.G., PROTOZOA, ETC.); COMPOSITIONS THEREOF; PROCES OF PROPAGATING,
MA:	INTA	INING OR		PRESERVING MICRO-ORGANISMS OR COMPOSITIONS THEREOF;
PRO	OCES:	S		OF PREPARING OR ISOLATING A COMPOSITION CONTAINING A
		435/252 435/252		MICRO-ORGANISM; CULTURE MEDIA THEREFOR .Bacteria or actinomycetales; media thereforTransformants (e.g., recombinant DNA or vector or foreign or exogenous gene containing, fused bacteria, etc.)
;	7 5.	36/23.5 Class	(2 536	OR, 5 XR) : ORGANIC COMPOUNDS PART OF THE CLASS 532-570 SERIES
ρt	c.)	536/1.1 536/18. 536/22.	7	.Carbohydrates or derivativesNitrogen containingN-glycosides, polymers thereof, metal derivatives (e.g., nucleic acids, oligonucleotides,
	,	536/23.3	1	DNA or RNA fragments or modified forms
		536/23.		thereof (e.g., genes, etc.)Encodes an animal polypeptide Page 2

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```
6 342/176
                    (0 OR, 6 XR)
                   342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
          Class
                            AND DEVICES
          342/175
                         WITH PARTICULAR CIRCUIT
          342/176
                          .Display
  6 530/350
                    (3 OR, 3 XR)
          Class 530:
                          CHEMISTRY: NATURAL RESINS OR DERIVATIVES;
                            PEPTIDES OR PROTEINS; LIGNINS OR REACTION
                                                                           PRODUCTS
                            THEREOF
          530/350
                          PROTEINS, I.E., MORE THAN 100 AMINO ACID
                             RESIDUES
                    (1 OR, 4 XR)
    175/45
                   175 : BORING OR PENETRATING THE EARTH
          Class
          175/40
                         WITH SIGNALING, INDICATING, TESTING OR
                              MEASURING
          175/45
                          .Tool position direction or inclination
                             measuring or indicating within the bore
    342/179
                    (0 \text{ OR}, 5 \text{ XR})
          Class
                   342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
                           AND DEVICES
                         WITH PARTICULAR CIRCUIT
          342/176
                          .Display
          342/179
                          .. Image production
    342/196
                    (0 \text{ OR}, 5 \text{ XR})
                   342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
          Class
                            AND DEVICES
          342/175
                         WITH PARTICULAR CIRCUIT
          342/195
                          .Digital processing
          342/196
                          .. Fast fourier transform (FFT)
                    (0 \text{ OR}, 5 \text{ XR})
     367/87
          Class
                   367 : COMMUNICATIONS, ELECTRICAL: ACOUSTIC WAVE
                            SYSTEMS AND DEVICES
          367/87
                         ECHO SYSTEMS
  5
    435/7.1
                    (1 \text{ OR}, 4 \text{ XR})
                   435 : CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY
          Class
          435/4
                         MEASURING OR TESTING PROCESS INVOLVING ENZYMES
                              OR MICRO-ORGANISMS; COMPOSITION OR TEST STRIP THEREFORE;
                              PROCESSES OF FORMING SUCH COMPOSITION OR TEST STRIP
                          .Involving antigen-antibody binding, specific binding protein assay or specific ligand-receptor binding
          435/7.1
                             assay
                    (4 OR, 1 XR)
    514/255.05
                          DRUG, BIO-AFFECTING AND BODY TREATING
          Class
                            COMPOSITIONS
         514/1
                         DESIGNATED ORGANIC ACTIVE INGREDIENT CONTAINING
                                 (DOAI)
                          .Heterocyclic carbon compounds containing a
          514/183
                                hetero ring having chalcogen (i.e., 0,S,Se or Te) or
                                nitrogen as the only ring hetero atoms DOAI
                          .. Hetero ring is six-membered consisting of two
          514/247
                               nitrogens and four carbon atoms (e.g., pyridazines,
etc.)
```

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10769965_CLSTITLES.txt
      514/252.1
                      ...1,4 diazines
                      ....Additional hetero ring attached directly or indirectly to the 1,4-diazine ring by nonionic bonding
      514/255.05
712/228
                (1 OR, 4 XR)
               712: ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
SYSTEMS: PROCESSING ARCHITECTURES AND INSTRUCTION
      Class
                        PROCESSING
      712/220
                      PROCESSING CONTROL
      712/228
                      .Context preserving (e.g., context swapping,
                         checkpointing, register windowing
712/244
                (2 OR, 3 XR)
               712 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
      class
                        SYSTEMS: PROCESSING ARCHITECTURES AND
                                                                      INSTRUCTION
                        PROCESSING
      712/220
                      PROCESSING CONTROL
                      .Branching (e.g., delayed branch, loop control,
      712/233
                          branch predict, interrupt)
                      .. Exeception processing (e.g., interrupts and
      712/244
                         traps)
                (3 OR, 2 XR)
712/41
               712: ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
SYSTEMS: PROCESSING ARCHITECTURES AND INSTRUCTION
      Class
                        PROCESSING
      712/1
                      PROCESSING ARCHITECTURE
      712/32
                      .Microprocessor or multichip or multimodule
                          processor having sequential program control
      712/41
                      ..RISC
                (4 OR, 0 XR)
175/26
               175 : BORING OR PENETRATING THE EARTH
      Class
      175/24
                      AUTOMATIC CONTROL
      175/26
                      .Of boring means including a below-ground drive
                         prime mover
                (2 OR, 2 XR)
324/329
               324 : ELECTRICITY: MEASURING AND TESTING
      Class
      324/323
                      OF GEOPHYSICAL SURFACE OR SUBSURFACE IN SITU
      324/326
                      .For small object detection or location
      324/329
                      .. Using movable transmitter and receiver
               (0 OR, 4 XR)
340 : COMMUNICATIONS: ELECTRICAL
340/853.4
      Class
      340/853.1
                      WELLBORE TELEMETERING OR CONTROL (E.G.,
                           SUBSURFACE TOOL GUIDANCE, DATA TRANSFER, ETC.)
                      .Selective control of subsurface equipment
      340/853.3
      340/853.4
                      .. In horizontal or inclined drilling or passage
342/118
                (0 \text{ OR}, 4 \text{ XR})
               342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
      Class
                        AND DEVICES
      342/118
                      DETERMINING DISTANCE
342/459
                (0 \text{ OR}, 4 \text{ XR})
               342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
      Class
                        AND DEVICES
      342/350
                      DIRECTIVE
      342/450
                      .Position indicating (e.g., triangulation) ..Underground object location
      342/459
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10769965_CLSTITLES.txt
                       (0 \text{ OR}, 4 \text{ XR})
      360/77.07
            Class
                      360 :
                             DYNAMIC MAGNETIC INFORMATION STORAGE OR
                               RETRIEVAL
            360/69
                             AUTOMATIC CONTROL OF A RECORDER MECHANISM .Controlling the head
            360/75
            360/77.01
                             ...Track centering
            360/77.02
                             ...Rotary carrier
            360/77.07
                             ....By tracking signal recorded on or
                                 immediately beneath surface
      361/111
                       (0 \text{ OR}, 4 \text{ XR})
                      361 : ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES
            Class
            361/1
                             SAFETY AND PROTECTION OF SYSTEMS AND DEVICES
            361/111
                             .Transient responsive
  4 514/326
                       (0 OR, 4 XR)
                      514:
                              DRUG, BIO-AFFECTING AND BODY TREATING
            Class
                               COMPOSITIONS
            514/1
                             DESIGNATED ORGANIC ACTIVE INGREDIENT CONTAINING
                                       (DOAI)
            514/183
                             .Heterocyclic carbon compounds containing a
                                     hetero ring having chalcogen (i.e., O,S,Se or Te) or
                                     nitrogen as the only ring hetero atoms DOAI
                             ..Hetero ring is six-membered consisting of one nitrogen and five carbon atoms
            514/277
            514/315
                             ...Piperidines
            514/317
                             ....Additional ring containing
            514/326
                             .....The additional ring is a hetero ring
     530/387.9
                       (0 \text{ OR}, 4 \text{ XR})
                      530:
                              CHEMISTRY:
            Class
                                            NATURAL RESINS OR DERIVATIVES;
                               PEPTIDES OR PROTEINS; LIGNINS OR REACTION
                                                                                    PRODUCTS
                               THEREOF
            530/350
                             PROTEINS, I.E., MORE THAN 100 AMINO ACID
                                     RÉSIDUES
            530/380
                             .Blood proteins or globulins, e.g.,
                                    proteoglycans, platelet factor 4, thyroglobulin,
thyroxine,
            530/386
                             ..Globulins
                             ...Immunoglobulin, antibody, or fragment thereof, other than immunoglobulin antibody, or fragment thereof that is conjugated or absorbed ....Binds specifically-identified amino acid
            530/387.1
            530/387.9
                                sequence
                       (0 \text{ OR}, 4 \text{ XR})
      536/23.1
                              ORGANIC COMPOUNDS -- PART OF THE CLASS
                      536:
            Class
                               532-570 SERIES
            536/1.11
                             .Carbohydrates or derivatives
            536/18.7
                             ..Nitrogen containing
                             ...N-glycosides, polymers thereof, metal derivatives (e.g., nucleic acids, oligonucleotides,
            536/22.1
etc.)
            536/23.1
                             ....DNA or RNA fragments or modified forms
                                thereof (e.g., genes, etc.)
     703/26
                       (1 \text{ OR}, 3 \text{ XR})
                              DATA PROCESSING: STRUCTURAL DESIGN,
            Class
                     703 :
                               MODELING, SIMULATION, AND EMULATION
            703/23
                             EMULATION
                                               Page 5
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	703/26	10769965_CLSTITLES.txt .Of instruction
4	Class 711/200 711/202	<pre>.Address mapping (e.g., conversion,</pre>
	711/203 711/206 711/207	Translation tables (e.g., segment and page table or map)
4	712/209 Class	(1 OR, 3 XR) 712: ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: PROCESSING ARCHITECTURES AND INSTRUCTION
	712/208	
	712/209	MICROINSTRUCTION, START ADDRESS GENERATOR, HARDWIRED) Decoding instruction to accommodate plural instruction interpretations (e.g., different dialects, languages, emulation, etc.)
4	712/214 Class	SYSTEMS: PROCESSING ARCHITECTURES AND INSTRUCTION PROCESSING
	712/214	INSTRUCTION ISSUING
4	712/216 Class	(2 OR, 2 XR) 712: ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: PROCESSING ARCHITECTURES AND INSTRUCTION PROCESSING
	712/216	
4	712/225 Class	(3 OR, 1 XR) 712: ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: PROCESSING ARCHITECTURES AND INSTRUCTION PROCESSING
	712/220 712/225	PROCESSING CONTROL .Processing control for data transfer
4	712/36 Class	(2 OR, 2 XR) 712: ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: PROCESSING ARCHITECTURES AND INSTRUCTION PROCESSING
	712/1 712/32	PROCESSING ARCHITECTURE .Microprocessor or multichip or multimodule processor having sequential program control
	712/36	Application specific
3 .	73/574 Class 73/570 73/574	(3 OR, 0 XR) 073 : MEASURING AND TESTING VIBRATION .Mechanical impedance
3	73/661 Class 73/570 73/649 73/658 73/661	(0 OR, 3 XR) 073: MEASURING AND TESTING VIBRATION .Sensing apparatusWith electrically controlled indicatorHaving a probe Page 6

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(1 OR, 2 XR)
    152/525
                      152 : RESILIENT TIRES AND WHEELS
            Class
                             ....Having circumferential groove width at least per cent of tread width
.Pneumatic tire or inner tube
..Characterized by chemical composition or physical properties of external sidewall materials
            152/209.26
            152/450
            152/525
    175/40
                       (0 \text{ OR}, 3 \text{ XR})
            Class
                              BORING OR PENETRATING THE EARTH
            175/40
                             WITH SIGNALING, INDICATING, TESTING OR
                                 MEASURING
                      (0 OR, 3 XR)
180 : MOTOR VEHICLES
     180/168
            Class
            180/167
                             WITH MEANS FOR CONTROLLING OPERATION RESPONSIVE
                                  TO ELECTROMAGNETIC RADIATION, MAGNETIC FORCE, OR SOUND
                                  WAVES RECEIVED FROM SOURCE, OR REFLECTED FROM OBJECT OR
                                  SURFACE, LOCATED APART FROM VEHICLE
            180/168
                              .Having controlling means adapted to interact
                                 with stationary means which describes course of vehicle's
                       (2 OR, 1 XR)
    257/301
                      257 : ACTIVE SOLID-STATE DEVICES
            Class
                             ... Enhancement mode or with high resistivity
            257/264
                             channel (e.g., doping of 10 15 cm -3 or less)
.Having insulated electrode (e.g., MOSFET, MOS
            257/288
                                   diode)
            257/296
                             .. Insulated gate capacitor or insulated gate
                                  transistor combined with capacitor (e.g., dynamic memory
            257/301
                             ...Capacitor in trench
                     (0 OR, 3 XR)
257 : ACTIVE SOLID-STATE DEVICES
     257/E27.112
            257/E27.006
                             .Including piezo-electric, electro-resistive,
                                    or magneto-resistive component (EPO)
            257/E27.009
                             .Including semiconductor component with at
                                   least one potential barrier or surface barrier adapted
for
                                   rectifying, oscillating, amplifying, or switching, or
                             Including integrated passive circuit elements (EPO)
...Substrate comprising other than a
            257/E27.111
                                  semiconductor material, e.g. insulating substrate or layered substrate Including a non-semiconductor layer
(EPO)
            257/E27.112
                             ...Including insulator on semiconductor, e.g.
                                 SOI (silicon on insulator) (EPO)
                     (1 OR, 2 XR)
324 : ELECTRICITY: MEASURING AND TESTING
     324/220
            Class
            324/200
                             MAGNETIC
            324/219
                             .Magnetic sensor within material
            324/220
                             ... Sensor supported, positioned, or moved within
     324/338
                       (0 \text{ OR}, 3 \text{ XR})
                     324 : ELECTRICITY: MEASURING AND TESTING
OF GEOPHYSICAL SURFACE OR SUBSURFACE IN SITU
            Class
            324/323
            324/332
                             .With radiant energy or nonconductive-type
                                               Page 7
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10769965_CLSTITLES.txt transmitter 324/334 ..With separate pickup 324/338 ...Within a borehole 324/713 (1 OR, 2 XR)324 : ELECTRICITY: MEASURING AND TESTING IMPEDANCE, ADMITTANCE OR OTHER QUANTITIES Class 324/600 REPRESENTATIVE OF ELECTRICAL STIMULUS/RESPONSE **RELATIONSHIPS** 324/649 .Lumped type parameters 324/691 .. Using resistance or conductance measurement ...With voltage or current signal evaluation 324/713 340/853.1 (0 OR, 3 XR)340 : COMMUNICATIONS: ELECTRICAL Class WELLBORE TELEMETERING OR CONTROL (E.G., 340/853.1 SUBSURFACE TOOL GUIDANCE, DATA TRANSFER, ETC.) (0 OR, 3 XR) 340 : COMMUNICATIONS: ELECTRICAL 340/853.5 Class 340/853.1 WELLBORE TELEMETERING OR CONTROL (E.G., SUBSURFACE TOOL GUIDANCE, DATA TRANSFER, ETC.)
.Selective control of subsurface equipment 340/853.3 340/853.4 .. In horizontal or inclined drilling or passage 340/853.5 ...Control of drilling apparatus using magnetic field (0 OR, 3 XR) 340/853.6 340 : COMMUNICATIONS: ELECTRICAL Class 340/853.1 WELLBORE TELEMETERING OR CONTROL (E.G., SUBSURFACE TOOL GUIDANCE, DATA TRANSFER, ETC.)
.Selective control of subsurface equipment
..Control of drill bit or apparatus (e.g., 340/853.3 340/853.6 steering, speed, etc.) 342/190 (0 OR, 3 XR)COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS Class AND DEVICES 342/175 WITH PARTICULAR CIRCUIT 342/190 .With recording (0 OR, 3 XR)
342: COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS 342/191 Class AND DEVICES 342/175 WITH PARTICULAR CIRCUIT 342/190 .With recording 342/191 .. Mapping (0 OR, 3 XR)342/21 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS Class AND DEVICES 342/21 BASE BAND SYSTEM 3 360/77.12 (1 OR, 2 XR)360 : DYNAMIC MAGNETIC INFORMATION STORAGE OR Class

Page 8

...Elongated web carrier (i.e., tape)

AUTOMATIC CONTROL OF A RECORDER MECHANISM

RETRIEVAL

.Controlling the head

...Track centering

360/69

360/75 360/77.01

360/77.12

10769965_CLSTITLES.txt (2 OR, 1 XR) 3 361/56 Class 361 : ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES 361/1 SAFETY AND PROTECTION OF SYSTEMS AND DEVICES 361/54 .Load shunting by fault responsive means (e.g., crowbar circuit) ..Voltage responsive 361/56 3 365/149 (2 OR, 1 XR)Class 365 : STATIC INFORMATION STORAGE AND RETRIEVAL 365/129 SYSTEMS USING PARTICULAR ELEMENT 365/149 .Capacitors (2 OR, 1 XR) 367 : COMMUNIO 367/99 COMMUNICATIONS, ELECTRICAL: ACOUSTIC WAVE Class SYSTEMS AND DEVICES 367/87 **ECHO SYSTEMS** 367/99 .Distance or direction finding 3 435/4 (1 OR, 2 XR)435 : CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY Class 435/4 MEASURING OR TESTING PROCESS INVOLVING ENZYMES OR MICRO-ORGANISMS; COMPOSITION OR TEST STRIP THEREFORE; PROCESSES OF FORMING SUCH COMPOSITION OR TEST STRIP 3 435/471 (0 OR, 3 XR)435 : CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY Class 435/455 .Introduction of a polynucleotide molecule into or rearrangement of nucleic acid within an animal cell .Introduction of a polynucleotide molecule into 435/471 or rearrangement of nucleic acid within a microorganism (e.g., bacteria, protozoa, bacteriophage, etc.) 435/7.2 (1 OR, 2 XR)**Class** 435 : CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY 435/4 MEASURING OR TESTING PROCESS INVOLVING ENZYMES OR MICRO-ORGANISMS; COMPOSITION OR TEST STRIP THEREFORE; PROCESSES OF FORMING SUCH COMPOSITION OR TEST STRIP 435/7.1 .Involving antigen-antibody binding, specific binding protein assay or specific ligand-receptor binding assay 435/7.2 ..Involving a micro-organism or cell membrane bound antigen or cell membrane bound receptor or cell membrane bound antibody or microbial lysate (2 OR, 1 XR) 435 : CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY 435/7.24 Class 435/4 MEASURING OR TESTING PROCESS INVOLVING ENZYMES

3 435/7.24 (2 OR, 1 XR)
Class 435: CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY

435/4 MEASURING OR TESTING PROCESS INVOLVING ENZYMES
OR MICRO-ORGANISMS; COMPOSITION OR TEST STRIP

THEREFORE;
PROCESSES OF FORMING SUCH COMPOSITION OR TEST STRIP

435/7.1 .Involving antigen-antibody binding, specific binding protein assay or specific ligand-receptor binding

assay
135/7.2 .Involving a micro-organism or cell membrane bound antigen or cell membrane bound receptor or cell page 9

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                               membrane bound antibody or microbial lysate
          435/7.21
                          ...Animal cell
                          ....Leukocyte (e.g., lymphocyte, granulocyte,
          435/7.24
                             monocyte, etc.)
                   (0 OR, 3 XR)
435 : CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY
    435/71.1
          Class
          435/41
                          MICRO-ORGANISM, TISSUE CELL CULTURE OR ENZYME
                              USING PROCESS TO SYNTHESIZE A DESIRED CHEMICAL COMPOUND
OR
                              COMPOSITION
                          .Using a micro-organism to make a protein or
          435/71.1
                             polypeptide
                   (0 OR, 3 XR)
435 : CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY
  3
    435/71.2
          Class
          435/41
                          MICRO-ORGANISM. TISSUE CELL CULTURE OR ENZYME
                               USING PROCESS TO SYNTHESIZE A DESIRED CHEMICAL COMPOUND
OR
                               COMPOSITION
          435/71.1
                          .Using a micro-organism to make a protein or
                              polypeptide
          435/71.2
                          ..Procaryotic micro-organism
    525/194
                    (1 OR, 2 XR)
  3
                           SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
          Class
                            OF THE CLASS 520 SERIES
          525/50
                          .MIXING OF TWO OR MORE SOLID POLYMERS; MIXING
                                 OF SOLID POLYMER OR SICP WITH SICP OR SPFI; MIXING OF
SICP
                                 WITH AN ETHYLENIC AGENT; MIXING OF SOLID POLYMER WITH
Α
                                 CHEMICAL TREATING OR ETHYLENIC AGENT; OR PROCESSES OF FORMING OR REACTING; OR THE RESULTANT PRODUCT OF ANY
OF THE
                                 ABOVE OPERATIONS
          525/55
                          ..At least one solid polymer derived from
                                ethylenic reactants only
                          ...Polymer mixture of two or more solid
          525/191
                               polymers derived from ethylenically unsaturated
reactants
                               only; or mixtures of said polymer mixture with a
chemical
                               treating agent; or products or processes of preparing
any
                               of the above mixtures
                            ..Treating polymer or polymer mixture with a chemical treating agent other than solid polymer
          525/192
          525/194
                          .....Agent is an organic material
                    (0 OR, 3 XR)
     544/405
                          ORGANIC COMPOUNDS -- PART OF THE CLASS
                   544 :
          Class
                            532-570 SERIES
          544/1
                          ..Hetero ring is six-membered having two or
                                more ring hetero atoms of which at least one is
nitrogen
                                 (e.g., selenazines, etc.)
                          ...The six-membered hetero ring consists of two
          544/224
                               nitrogens and four carbons (e.g., 1,2-diazines, etc.)
                          ....1,4-diāzines
          544/336
          544/405
                          .....Additional hetero ring which is
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			ansacar acca
3	707/3 Class 707/1 707/3	707	OR, 3 XR) : DATA PROCESSING: DATABASE AND FILE MANAGEMENT OR DATA STRUCTURES DATABASE OR FILE ACCESSING .Query processing (i.e., searching)
3	Class	711	OR, 2 XR) : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MEMORY ADDRESS FORMATION
3	711/202 Class 711/200 711/202	711	OR, 2 XR) : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MEMORY ADDRESS FORMATION .Address mapping (e.g., conversion, translation)
3	711/206 Class 711/200 711/202 711/203 711/206	711	OR, 2 XR) : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MEMORY ADDRESS FORMATION .Address mapping (e.g., conversion,
3	712/205 Class 712/205	712	SYSTEMS: PROCESSING ARCHITECTURES AND INSTRUCTION PROCESSING
3	712/206 Class 712/205 712/206	712	OR, 3 XR) : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: PROCESSING ARCHITECTURES AND INSTRUCTION PROCESSING INSTRUCTION FETCHING .Of multiple instructions simultaneously
3	712/208 Class 712/208	712	OR, 3 XR) : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: PROCESSING ARCHITECTURES AND INSTRUCTION PROCESSING INSTRUCTION DECODING (E.G., BY MICROINSTRUCTION, START ADDRESS GENERATOR, HARDWIRED)
3	712/213 Class 712/209 712/213	712	OR, 3 XR) : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: PROCESSING ARCHITECTURES AND INSTRUCTION PROCESSING .Decoding instruction to accommodate plural instruction interpretations (e.g., different dialects, languages, emulation, etc.) .Predecoding of instruction component
3	712/221 Class	(1 712	OR, 2 XR) : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: PROCESSING ARCHITECTURES AND INSTRUCTION PROCESSING

10769965_CLSTITLES.txt 712/220 PROCESSING CONTROL 712/221 .Arithmetic operation instruction processing 712/223 (1 OR, 2 XR)Class 712 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: PROCESSING ARCHITECTURES AND INSTRUCTION **PROCESSING** 712/220 PROCESSING CONTROL 712/223 .Logic operation instruction processing (1 OR, 2 XR) 712/227 712 : 1 Class ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: PROCESSING ARCHITECTURES AND **INSTRUCTION PROCESSING** 712/220 PROCESSING CONTROL 712/227 .Specialized instruction processing in support of testing, debugging, emulation 712/233 (0 OR, 3 XR)712 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: PROCESSING ARCHITECTURES AND INSTRUCTION PROCESSING 712/220 PROCESSING CONTROL 712/233 .Branching (e.g., delayed branch, loop control, branch predict, interrupt) (1 OR, 2 XR) 3 712/234 712: Class ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: PROCESSING ARCHITECTURES AND INSTRUCTION **PROCESSING** 712/220 PROCESSING CONTROL 712/233 712/234 . Conditional branching 712/240 (0 OR, 3 XR)712 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING class SYSTEMS: PROCESSING ARCHITECTURES AND INSTRUCTION **PROCESSING** 712/220 PROCESSING CONTROL 712/233 .Branching (e.g., delayed branch, loop control, branch predict, interrupt) ...Conditional branching 712/234 712/239 712/240 ...Branch predictionHistory table 3 712/26 (0 OR, 3 XR)Class 712: ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: PROCESSING ARCHITECTURES AND INSTRUCTION **PROCESSING** 712/1 PROCESSING ARCHITECTURE 712/25 .Data driven or demand driven processor ..Detection/pairing based on destination, ID tag, or data 3 712/35 (2 OR, 1 XR) ELECTRICAL COMPUTERS AND DIGITAL PROCESSING Class SYSTEMS: PROCESSING ARCHITECTURES AND INSTRUCTION PROCESSING PROCESSING ARCHITECTURE 712/1 712/32 .Microprocessor or multichip or multimodule processor having sequential program control

..Including coprocessor

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712/34

```
10769965_CLSTITLES.txt
        712/35
                        ...Digital Signal processor
                   (0 OR, 2 XR)
2
    37/348
        Class
                 037 :
                        EXCAVATING
         37/347
                        DITCHER
         37/348
                        .Condition responsive
                  (2 OR, 0 XR)
2
    73/633
                 073 : MEASURING AND TESTING
        Class
        73/570
                        VIBRATION
        73/584
                        .By mechanical waves
        73/596
                        ..Beamed
        73/632
                        ...Sonic wave transmitter or receiver
                            transducer
                        .... Having transducer scanning means
        73/633
                 (1 OR, 1 XR)
172: EARTH WORKING
2
  172/5
        Class
        172/2
                        AUTOMATIC POWER CONTROL
        172/5
                        .Obstruction sensing type (includes plant
                           sensing)
                 (0 OR, 2 XR)
175 : BORING OR PENETRATING THE EARTH
  175/24
        Class
175/24
                        AUTOMATIC CONTROL
  175/61
                  (2 OR, 0 XR)
        Class
                 175 : BORING OR PENETRATING THE EARTH
        175/57
                        PROCESSES
        175/61
                        .Boring curved or redirected bores
                  (1 OR, 1 XR)
   235/380
                 235 : REGISTERS
        Class
        235/375
235/380
                        SYSTEMS CONTROLLED BY DATA BEARING RECORDS
                        .Credit or identification card systems
                  (0 OR, 2 XR)
  250/362
                 250 : RADIANT ENERGY
        Class
        250/336.1
                        INVISIBLE RADIANT ENERGY RESPONSIVE ELECTRIC
                             SIGNALLING
        250/361R
                        .With or including a luminophor
        250/362
                        ..Methods
                 (2 OR, 0 XR)
250 : RADIANT ENERGY
  250/369
        Class
        250/336.1
                        INVISIBLE RADIANT ENERGY RESPONSIVE ELECTRIC
                             SIGNALLING
        250/361R
                        .With or including a luminophor
        250/369
                        ..With output system
                  (0 OR, 2 XR)
  250/392
        Class
                 250 : RADIANT ENERGY
        250/336.1
                        INVISIBLE RADIANT ENERGY RESPONSIVE ELECTRIC
                             SIGNALLING
        250/390.01
                        .Neutron responsive means
        250/392
                        .. with indicating or recording means
2 257/223
                  (2 \text{ OR}, 0 \text{ XR})
                 257 : ACTIVE SOLID-STATE DEVICES
        Class
        257/213
                        FIELD EFFECT DEVICE
        257/215
                        .Charge transfer device
                        ..Majority signal carrier (e.g., buried or bulk channel, or peristaltic)
        257/216
                                       Page 13
```

```
10769965_CLSTITLES.txt
           257/222
                           ...Responsive to non-electrical external signal
                                (e.g., imager)
           257/223
                           ....Having structure to improve output signal
                               (e.g., antiblooming drain)
  2 257/229
                     (0 \text{ OR}, 2 \text{ XR})
                    257 :
                           ACTIVE SOLID-STATE DEVICES
           Class
                           FIELD EFFECT DEVICE
           257/213
           257/215
                           .Charge transfer device
           257/225
                           ..Non-electrical input responsive (e.g., light
                                responsive imager, input programmed by size of storage
                           sites for use as a read-only memory, etc.)
...Having structure to improve output signal
           257/229
                               (e.g., exposure control structure)
  2 257/230
                      (0 \text{ OR}, 2 \text{ XR})
                    257:
                           ACTIVE SOLID-STATE DEVICES
           Class
           257/213
                           FIELD EFFECT DEVICE
                           .Charge transfer device
..Non-electrical input responsive (e.g., light
           257/215
           257/225
                                 responsive imager, input programmed by size of storage sites for use as a read-only memory, etc.)
           257/229
                           ...Having structure to improve output signal
                                (e.g., exposure control structure)
           257/230
                           ....With blooming suppression structure
                     (0 OR, 2 XR)
    257/269
                    257 : ACTIVE SOLID-STATE DEVICES
           Class
           257/213
                           FIELD EFFECT DEVICE
           257/256
                           .Junction field effect transistor (unipolar
                                 transistor)
                           .. Enhancement mode
           257/268
                           ...With means to adjust barrier height (e.g., doping profile)
           257/269
     257/304
                      (0 \text{ OR}, 2 \text{ XR})
                    257 : ACTIVE SOLID-STATE DEVICES
           Class
                           ...Enhancement mode or with high resistivity
           257/264
                                   channel (e.g., doping of 10 15 cm -3 or less)
                           .Having insulated electrode (e.g., MOSFET, MOS
           257/288
                                  diode)
           257/296
                           .. Insulated gate capacitor or insulated gate
                                 transistor combined with capacitor (e.g., dynamic
memory
                                 cell)
           257/301
                           ...Capacitor in trench
                           ....Storage node isolated by dielectric from
           257/304
                               semiconductor substrate
  2 257/332
                     (0 OR, 2 XR)
                    257 : ACTIVE SOLID-STATE DEVICES
           Class
                           ...Enhancement mode or with high resistivity channel (e.g., doping of 10 15 cm -3 or less)
           257/264
                           .Having insulated electrode (e.g., MOSFET, MOS
           257/288
                                   diode)
                           .. Short channel insulated gate field effect
           257/327
                                  transistor
           257/329
                           ...Gate controls vertical charge flow portion
                                 of channel (e.g., VMOS device)
                           ....Gate electrode in groove
           257/330
           257/332
                           .....Gate electrode self-aligned with groove
                     (0 \text{ OR}, 2 \text{ XR})
  2 257/339
```

```
10769965_CLSTITLES.txt
            Class
                      257 : ACTIVE SOLID-STATE DEVICES
            257/264
                              ... Enhancement mode or with high resistivity
                                       channel (e.g., doping of 10 15 cm -3 or less)
            257/288
                               .Having insulated electrode (e.g., MOSFET, MOS
                                      diode)
            257/327
                               .. Short channel insulated gate field effect
                                    transistor
            257/335
                               ...Active channel region has a graded dopant
                                   concentration decreasing with distance from source
region
                                   (e.g., double diffused device, DMOS transistor)
            257/339
                              ....With means to increase breakdown voltage
                      (2 OR, 0 XR)
257 : ACTIVE SOLID-STATE DEVICES
  2 257/347
            Class
                              ...Enhancement mode or with high resistivity channel (e.g., doping of 10 15 cm -3 or less)
.Having insulated electrode (e.g., MOSFET, MOS
            257/264
            257/288
                                   diode)
            257/347
                              ...Single crystal semiconductor layer on
                                  insulating substrate (SOI)
     257/376
                        (0 \text{ OR}, 2 \text{ XR})
                      257 : ACTIVÉ SOLID-STATE DEVICES
            Class
                              ...Enhancement mode or with high resistivity
channel (e.g., doping of 10 15 cm -3 or less)
.Having insulated electrode (e.g., MOSFET, MOS
            257/264
            257/288
                                       diode)
            257/368
                              ..Insulated gate field effect transistor in
                                      integrated circuit
            257/369
                              ...Complementary insulated gate field effect
                                    transistors
                              ....With pn junction to collect injected minority carriers to prevent parasitic bipolar
            257/373
transistor
                                   action
                              .....With barrier region of reduced minority carrier lifetime (e.g., heavily doped P+ region to reduce
            257/376
                                  electron minority carrier lifetime, or containing deep
level impurity or crystal damage), or with region of high
                                  threshold voltage (e.g., heavily doped channel stop
region)
                       (0 \text{ OR}, 2 \text{ XR})
  2 257/E21.537
            Class
                      257 : ACTIVE SOLID-STATE DEVICES
                              ... For electrical parameters, e.g.,
                                      resistance, deep-levels, CV, diffusions by electrical
means
                                      (EPO)
                              .Manufacture or treatment of devices consisting of plurality of solid-state components
            257/E21.532
formed in
                                    or on common substrate or of parts thereof; manufacture
of
                                    integrated circuit devices or of parts thereof (EPO)
            257/E21.536
                              .. Manufacture of specific parts of devices
                                   (EPO)
                              ...Making of localized buried regions, e.g., buried collector layer, internal connection, substrate
            257/E21.537
                                  contacts (EPO)
                        (0 OR, 2 XR)
```

2 257/E27.06

```
10769965_CLSTITLES.txt
                    257 :
                            ACTIVE SOLID-STATE DEVICES
           Class
           257/E27.006
                           .Including piezo-electric, electro-resistive,
                                    or magneto-resistive component (EPO)
           257/E27.009
                           .Including semiconductor component with at
                                   least one potential barrier or surface barrier
adapted for
                                   rectifying, oscillating, amplifying, or switching, or Including integrated passive circuit elements (EPO)
                           .. With semiconductor substrate only (EPO)
           257/E27.01
           257/E27.046
                           ...Including only semiconductor components of a
                                 single kind, e.g., all bipolar transistors, all diodes,
or
                                 all CMOS (EPO)
           257/E27.059
                           ....Including field-effect component only (EPO)
           257/E27.06
                           .....Field-effect transistor with insulated
                              gate (EPO)
    257/E27.077
                     (0 \text{ OR}, 2 \text{ XR})
           class
                    257
                           ACTIVE SOLID-STATE DEVICES
                           .Including piezo-electric, electro-resistive, or magneto-resistive component (EPO)
           257/E27.006
           257/E27.009
                           .Including semiconductor component with at
                                    least one potential barrier or surface barrier
adapted for
                                    rectifying, oscillating, amplifying, or switching,
or
                                    Including integrated passive circuit elements (EPO)
           257/E27.01
                           .. with semiconductor substrate only (EPO)
                           ...Including a plurality of individual
           257/E27.07
                                  components in a repetitive configuration (EPO)
           257/E27.072
                           ....Including bipolar component (EPO)
           257/E27.074
                           .....Including bipolar transistor (EPO)
                           .....Static bipolar memory cell structure
           257/E27.077
                               (EPO)
                    (0 OR, 2 XR)
257 : ACTIVE SOLID-STATE DEVICES
    257/E27.084
           Class
           257/E27.006
                           .Including piezo-electric, electro-resistive,
                                    or magneto-resistive component (EPO)
           257/E27.009
                           .Including semiconductor component with at
                                   least one potential barrier or surface barrier
adapted for
                                   rectifying, oscillating, amplifying, or switching, or Including integrated passive circuit elements (EPO)
                           ..With semiconductor substrate only (EPO) ...Including a plurality of individual
           257/E27.01
           257/E27.07
                                 components in a repetitive configuration (EPO)
                           ....Including field-effect component (EPO)
           257/E27.081
           257/E27.084
                           .....Dynamic random access memory, DRAM,
                              structure (EPO)
    257/E27.092
                    (0 OR, 2 XR)
257 : ACTIVE
                            ACTIVE SOLID-STATE DEVICES
                           .Including piezo-electric, electro-resistive, or magneto-resistive component (EPO)
           257/E27.006
           257/E27.009
                           .Including semiconductor component with at
                                     least one potential barrier or surface barrier
adapted for
                                     rectifying, oscillating, amplifying, or switching,
or
                                     Including integrated passive circuit elements (EPO)
```

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10769965_CLSTITLES.txt
           257/E27.01
                          ..With semiconductor substrate only (EPO)
           257/E27.07
                          ...Including a plurality of individual
                                  components in a repetitive configuration (EPO)
                          ....Including field-effect component (EPO)
           257/E27.081
           257/E27.084
                          .....Dynamic random access memory, DRAM,
                                structure (EPO)
                          .....One-transistor memory cell structure, i.e., each memory cell containing only one transistor
           257/E27.085
(EPO)
           257/E27.092
                          ......Capacitor in trench (EPO)
                    (0 OR, 2 XR)
     324/226
           Class
                   324 : ELECTRICITY: MEASURING AND TESTING
           324/200
                          MAGNETIC
           324/226
                          .Combined
          39 (0 OR, 2 XR)
Class 324: ELECTRICITY: MEASURING AND TESTING
    324/239
           324/200
                          MAGNETIC
           324/228
                          .With means to create magnetic field to test
                               material
           324/239
                          .. Induced voltage-type sensor
                   (0 OR, 2 XR)
324 : ELECTRICITY: MEASURING AND TESTING
    324/240
           Class
           324/200
                          MAGNETIC
           324/228
                          .With means to create magnetic field to test
                                material
           324/239
                          .. Induced voltage-type sensor
           324/240
                          ... Material flaw testing
                     (0 OR, 2 XR)
    324/333
                   324 : ELECTRICITY: MEASURING AND TESTING OF GEOPHYSICAL SURFACE OR SUBSURFACE IN SITU
           Class
           324/323
           324/332
                          .With radiant energy or nonconductive-type
                               transmitter
           324/333
                          ..Within a borehole
    324/334
                     (0 OR, 2 XR)
                   324 : ELECTRICITY: MEASURING AND TESTING
           Class
           324/323
                          OF GEOPHYSICAL SURFACE OR SUBSURFACE IN SITU
           324/332
                          .With radiant energy or nonconductive-type
                               transmitter
           324/334
                          ..With separate pickup
    324/336
                     (2 OR, 0 XR)
  2
                   324 : ELECTRICITY: MEASURING AND TESTING
           Class
           324/323
                          OF GEOPHYSICAL SURFACE OR SUBSURFACE IN SITU
           324/332
                          .With radiant energy or nonconductive-type
                                transmitter
                          ..With separate pickup
           324/334
           324/336
                          ... To detect transient signals
     324/345
                     (0 \text{ OR}, 2 \text{ XR})
                   324 : ELECTRICITY: MEASURING AND TESTING
           Class
                          OF GEOPHYSICAL SURFACE OR SUBSURFACE IN SITU
           324/323
           324/345
                          .By magnetic means
    324/357
                     (1 \text{ OR}, 1 \text{ XR})
                   324 : ELECTRICITY: MEASURING AND TESTING
OF GEOPHYSICAL SURFACE OR SUBSURFACE IN SITU
           Class
           324/323
           324/347
                          .Using electrode arrays, circuits, structure,
```

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10769965_CLSTITLES.txt

	324/354 324/357	or supportsCoupled to artificial current sourceIncluding separate pickup of generated fields or potentials
2	324/693 (0 Class 324 324/600	OR, 2 XR) : ELECTRICITY: MEASURING AND TESTING IMPEDANCE, ADMITTANCE OR OTHER QUANTITIES REPRESENTATIVE OF ELECTRICAL STIMULUS/RESPONSE
	324/649 324/691	RELATIONSHIPS .Lumped type parametersUsing resistance or conductance measurement
	324/693	with object or substance characteristic determination using conductivity effects
2	324/715 (0 Class 324 324/600	OR, 2 XR) : ELECTRICITY: MEASURING AND TESTING IMPEDANCE, ADMITTANCE OR OTHER QUANTITIES REPRESENTATIVE OF ELECTRICAL STIMULUS/RESPONSE RELATIONSHIPS
	324/649 324/691	Lumped type parametersUsing resistance or conductance measurement
	324/713 324/715	<pre>With voltage or current signal evaluationIncluding a particular probing technique (e.g., four point probe)</pre>
2	324/718 (0 Class 324 324/600	OR, 2 XR) : ELECTRICITY: MEASURING AND TESTING IMPEDANCE, ADMITTANCE OR OTHER QUANTITIES REPRESENTATIVE OF ELECTRICAL STIMULUS/RESPONSE RELATIONSHIPS
	324/649 324/691	Lumped type parameters .Using resistance or conductance measurement
	324/713 324/715	<pre>With voltage or current signal evaluationIncluding a particular probing technique (e.g., four point probe)</pre>
	324/718	To détect a flaw or défect
2	326/40 (1 Class 326 326/37	MULTIFUNCTIONAL OR PROGRAMMABLE (E.G.,
	326/39 326/40	UNIVERSAL, ETC.) .Array (e.g., PLA, PAL, PLD, etc.)With flip-flop or sequential device
2		OR, 0 XR) : COMMUNICATIONS: ELECTRICAL SELECTIVE .Interrogation responseContention avoidance
2		OR, 2 XR) : COMMUNICATIONS: ELECTRICAL SELECTIVE .Interrogation responseResponse signal detailIdentification only
2		OR, 2 XR) : COMMUNICATIONS: ELECTRICAL Page 18

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10769965_CLSTITLES.txt
         340/500
                        CONDITION RESPONSIVE INDICATING SYSTEM
         340/540
                        .Specific condition
         340/541
                        ..Intrusion detection
                 (0 OR, 2 XR)
340 : COMMUNICATIONS: ELECTRICAL
  340/853.3
         Class
         340/853.1
                       WELLBORE TELEMETERING OR CONTROL (E.G.,
                        SUBSURFACE TOOL GUIDANCE, DATA TRANSFER, ETC.)
.Selective control of subsurface equipment
        340/853.3
  340/928
                  (0 OR, 2 XR)
                 340 : COMMUNICATIONS: ELECTRICAL
         Class
         340/907
                       TRAFFIC CONTROL INDICATOR
         340/928
                        .Combined (e.g., toll systems, one-way)
                 (0 OR, 2 XR)
342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
2 342/146
        Class
                          AND DEVICES
         342/118
                       DETERMINING DISTANCE
        342/146
                        .Combined with determining direction
  342/158
                  (0 \text{ OR}, 2 \text{ XR})
        Class
                 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
                          AND DEVICES
         342/147
                       DETERMINING DIRECTION
         342/158
                        .Scanning
2 342/189
                  (0 OR, 2 XR)
        class
                 342 :
                        COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
                          AND DEVICES
         342/175
                       WITH PARTICULAR CIRCUIT
        342/189
                        .For correlation
  342/192
                  (0 OR, 2 XR)
        Class
                 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
                          AND DEVICES
         342/175
                       WITH PARTICULAR CIRCUIT
        342/192
                        .Spectrum analysis
  342/357.06
                  (1 \text{ OR}, 1 \text{ XR})
                 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
        Class
                          AND DEVICES
                       DIRECTIVE
        342/350
        342/352
342/357.01
                        .Including a satellite
                        ..With position indicating
        342/357.06
                        ...Using Global Positioning Satellite (GPS or
                           Glonass)
                  (0 OR, 2 XR)
  342/44
        Class
                 342:
                        COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
                          AND DEVICES
        342/42
                       RADAR TRANSPONDER SYSTEM
        342/44
                        .Unique identity
                  (0 OR, 2 XR)
48: TELEVISION
  348/250
                 348 :
        Class
        348/207.99
                       CAMERA, SYSTEM AND DETAIL
        348/222.1
                        .Combined image signal generator and general
                             image signal processing
        348/241
                        .. Including noise or undesired signal reduction
        348/250
                        ...In charge coupled type sensor
```

```
10769965_CLSTITLES.txt
                (0 \text{ OR}, 2 \text{ XR})
348/251
      Class
               348 :
                      TELEVISION
      348/207.99
                     CAMERA, SYSTEM AND DETAIL
      348/222.1
                      .Combined image signal generator and general
                           image signal processing
      348/241
                      .. Including noise or undesired signal reduction
      348/251
                      ... Shading or black spot correction
348/313
                (0 \text{ OR}, 2 \text{ XR})
               348:
                      TELEVISION
      Class
      348/207.99
                     CAMERA, SYSTEM AND DETAIL
      348/294
                      .Solid-state image sensor
      348/311
                      ..Charge-coupled architecture
                      ...With bias charge injection
      348/313
360/77.01
                (1 OR, 1 XR)
               360 : DYNAMIC MAGNETIC INFORMATION STORAGE OR
      Class
                        RETRIEVAL
      360/69
                     AUTOMATIC CONTROL OF A RECORDER MECHANISM
                      .Controlling the head
      360/75
      360/77.01
                      ..Track centering
360/77.11
                (0 \text{ OR}, 2 \text{ XR})
               360 : DYNAMIC MAGNETIC INFORMATION STORAGE OR
      Class
                        RETRIEVAL
      360/69
                     AUTOMATIC CONTROL OF A RECORDER MECHANISM
      360/75
                      .Controlling the head
      360/77.01
                      ..Track centering
      360/77.02
                      ...Rotary carrier
      360/77.07
                     ....By tracking signal recorded on or immediately beneath surface
      360/77.11
                      .....Continuous servo signal
361/118
                (0 OR, 2 XR)
               361 : ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES
      Class
      361/1
                     SAFETY AND PROTECTION OF SYSTEMS AND DEVICES
      361/117
                      .High voltage dissipation (e.g., lightning
                          arrester)
      361/118
                      ...Surge prevention (e.g., choke coil)
                (0 OR, 2 XR)
361/119
      class
               361 : ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES
      361/1
                     SAFETY AND PROTECTION OF SYSTEMS AND DEVICES
      361/117
                      .High voltage dissipation (e.g., lightning
                           arrester)
      361/118
                      ...Surge prevention (e.g., choke coil)
      361/119
                      ...In communication systems
361/42
                (1 \text{ OR}, 1 \text{ XR})
      Class
               361 : ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES
      361/1
                     SAFETY AND PROTECTION OF SYSTEMS AND DEVICES
      361/42
                      .Ground fault protection
365/201
                (0 \text{ OR}, 2 \text{ XR})
               365 :
                      STATIC INFORMATION STORAGE AND RETRIEVAL
      Class
      365/189.01
                     READ/WRITE CIRCUIT
      365/201
                      .Testing
376/159
                (2 OR, 0 XR)
```

```
10769965_CLSTITLES.txt
           Class
                    376 :
                            INDUCED NUCLEAR REACTIONS: PROCESSES,
                              SYSTEMS, AND ELEMENTS
           376/156
                           NUCLEAR TRANSMUTATION (E.G., BY MEANS OF
                                 PARTICLE OR WAVE ENERGY)
                           .By neutron bombardment
           376/158
           376/159
                           .. Neutron activation analysis
  2
    377/81
                     (0 \text{ OR}, 2 \text{ XR})
           Class
                    377 : ELECTRICAL PULSE COUNTERS, PULSE DIVIDERS, OR
                             SHIFT REGISTERS: CIRCUITS AND SYSTEMS
           377/64
                           SHIFT REGISTER
                           .Particular transfer means
           377/77
           377/81
                           ..Logic circuit
                    (0 OR, 2 XR)
382 : IMAGE ANALYSIS
     382/312
           Class
           382/312
                           IMAGE SENSING
     424/139.1
                     (0 \text{ OR}, 2 \text{ XR})
                    424 :
                            DRUG, BIO-AFFECTING AND BODY TREATING
           Class
                              COMPOSITIONS
           424/130.1
                           IMMUNOGLOBULIN, ANTISERUM, ANTIBODY, OR
                                ANTIBODY FRAGMENT, EXCEPT CONJUGATE OR COMPLEX OF THE
SAME
                                WITH NONIMMUNOGLOBULIN MATERIAL
           424/139.1
                           .Binds antigen or epitope whose amino acid
                              sequence is disclosed in whole or in part (e.g., binds specifically-identified amino acid sequence, etc.)
    424/143.1
                     (1 \text{ OR}, 1 \text{ XR})
                    424 :
                           DRUG, BIO-AFFECTING AND BODY TREATING
           Class
                             COMPOSITIONS
           424/130.1
                           IMMUNOGLOBULIN, ANTISERUM, ANTIBODY, OR
                                 ANTIBODY FRAGMENT, EXCEPT CONJUGATE OR COMPLEX OF THE
SAME
                                 WITH NONIMMUNOGLOBULIN MATERIAL
           424/141.1
                           .Monoclonal antibody or fragment thereof (i.e.,
                                produced by any cloning technology)
                           ..Binds receptor
           424/143.1
                     (0 \text{ OR}, 2 \text{ XR})
  2
     435/235.1
                    435 :
                           CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY
           Class
                           VIRUS OR BACTERIOPHAGE, EXCEPT FOR VIRAL VECTOR OR BACTERIOPHAGE VECTOR; COMPOSITION THEREOF; PREPARATION OR PURIFICATION THEREOF; PRODUCTION OF VIRAL SUBUNITS;
           435/235.1
                              MEDIA FOR PROPAGATING
                     (0 OR, 2 XR)
    435/253.3
                    435 : CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY
           Class
           435/243
                           MICRO-ORGANISM, PER SE (E.G., PROTOZOA, ETC.);
                                 COMPOSITIONS THEREOF; PROCES OF PROPAGATING.
MAINTAINING OR
                                 PRESERVING MICRO-ORGANISMS OR COMPOSITIONS THEREOF;
PROCESS
                                 OF PREPARING OR ISOLATING A COMPOSITION CONTAINING A
                                 MICRO-ORGANISM: CULTURE MEDIA THEREFOR
           435/252.1
                           .Bacteria or actinomycetales; media therefor
           435/253.3
                           .. Pseudomonas
    435/254.11
                     (0 OR, 2 XR)
           Class
                    435 : CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY
                                            Page 21
```

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		10. 03303_CE311.EE3.CAC				
*** ****	435/243	MICRO-ORGANISM, PER SE (E.G., PROTOZOA, ETC.); COMPOSITIONS THEREOF; PROCES OF PROPAGATING,				
MAINTAINI	NG OR	PRESERVING MICRO-ORGANISMS OR COMPOSITIONS THEREOF;				
PROCESS						
	435/254.1	OF PREPARING OR ISOLATING A COMPOSITION CONTAINING A MICRO-ORGANISM; CULTURE MEDIA THEREFOR .Fungi				
	435/254.11	Transformants				
2 435/	331 (0 c Class 435 :	OR, 2 XR) CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY				
	435/325	ANIMAL CELL, PER SE (E.G., CELL LINES, ETC.); COMPOSITION THEREOF; PROCESS OF PROPAGATING,				
MAINTAINI	NG OR	PRESERVING AN ANIMAL CELL OR COMPOSITION THEREOF;				
PROCESS		·				
COMPOSITI	ON	OF ISOLATING OR SEPARATING AN ANIMAL CELL OR				
		THEREOF; PROCESS OF PREPARING A COMPOSITION CONTAINING				
AN		ANIMAL CELL; CULTURE MEDIA THEREFORE				
	435/326	Animal cell, per se, expressing immunoglobulin, antibody, or fragment thereof				
	435/331	Immunoglobulin or antibody binds a				
		specifically identified amino acid sequence				
2 435/	7.21 (0 C Class 435 :	OR, 2 XR) CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY				
	435/4	MEASURING OR TESTING PROCESS INVOLVING ENZYMES OR MICRO-ORGANISMS; COMPOSITION OR TEST STRIP				
THEREFORE	•	PROCESSES OF FORMANC SUCH COMPOSITION OF TEST STRAP				
	435/7.1	PROCESSES OF FORMING SUCH COMPOSITION OR TEST STRIP .Involving antigen-antibody binding, specific binding protein assay or specific ligand-receptor				
binding						
	435/7.2	assay Involving a micro-organism or cell membrane bound antigen or cell membrane bound receptor or cell				
	435/7.21	membrane bound antibody or microbial lysateAnimal cell				
2 435/	7.92 (0 (OR, 2 XR)				
	Class 435 :	CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY				
	435/4	MEASURING OR TESTING PROCESS INVOLVING ENZYMES				
THEREFORE	;	OR MICRO-ORGANISMS; COMPOSITION OR TEST STRIP				
	435/7.1	PROCESSES OF FORMING SUCH COMPOSITION OR TEST STRIP .Involving antigen-antibody binding, specific binding protein assay or specific ligand-receptor				
binding						
	435/7.9	assay Assay in which an enzyme present is a label				
	435/7.92	<pre>Heterogeneous or solid phase assay system (e.g., ELISA, etc.)</pre>				
2 514/		OR, 0 XR) DRUG, BIO-AFFECTING AND BODY TREATING Page 22				
		· 				

10769965_CLSTITLES.txt **COMPOSITIONS** 514/1 DESIGNATED ORGANIC ACTIVE INGREDIENT CONTAINING (DOAI) 514/2 .Peptide containing (e.g., protein, peptones, fibrinogen, etc.) DOAI ...2 peptide repeating units in known peptide chain 514/19 514/230.5 (2 OR, 0 XR)Class 514: DRUG, BIO-AFFECTING AND BODY TREATING **COMPOSITIONS** 514/1 DESIGNATED ORGANIC ACTIVE INGREDIENT CONTAINING (DOAI) 514/183 .Heterocyclic carbon compounds containing a hetero ring having chalcogen (i.e., 0,5,Se or Te) or nitrogen as the only ring hetero atoms DOAI ..Hetero ring is six-membered and includes at least nitrogen and oxygen as ring hetero atoms (e.g., monocyclic 1,2- and 1,3-oxazines, etc.) 514/228.8 514/229.5 ...Polycyclo ring system having the six-membered hetero ring as one of the cyclos (e.g., maytansinoids, etc.) 514/230.5Bicyclo ring system having the six-membered hetero ring as one of the cyclos (e.g., 1,4-benzoxazines, 2 514/318 (0 OR, 2 XR)514: DRUG, BIO-AFFECTING AND BODY TREATING Class COMPOSITIONS 514/1 DESIGNATED ORGANIC ACTIVE INGREDIENT CONTAINING (DOAI) 514/183 .Heterocyclic carbon compounds containing a hetero ring having chalcogen (i.e., O,S,Se or Te) or nitrogen as the only ring hetero atoms DOAI ..Hetero ring is six-membered consisting of one 514/277 nitrogen and five carbon atoms ...Piperidiñes 514/315 514/317 Additional ring containingThe additional ring is a six-membered 514/318 hetero ring consisting of one nitrogen and five carbon atoms 514/334 (0 OR, 2 XR)Class 514: DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS 514/1 DESIGNATED ORGANIC ACTIVE INGREDIENT CONTAINING (DOAI) .Heterocyclic carbon compounds containing a 514/183 hetero ring having chalcogen (i.e., O,S,Se or Te) or nitrogen as the only ring hetero atoms DOAI ... Hetero ring is six-membered consisting of one nitrogen and five carbon atoms ... Plural six-membered hetero rings consisting of one nitrogen and five carbon atoms ... The six-membered hetero rings are bonded 514/277 514/332 514/334 directly to each other (0 OR, 2 XR) 2 514/473 Class 514: DRUG, BIO-AFFECTING AND BODY TREATING COMPOSITIONS

DESIGNATED ORGANIC ACTIVE INGREDIENT CONTAINING

.Heterocyclic carbon compounds containing a

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514/1

514/183

```
10769965_CLSTITLES.txt
                                hetero ring having chalcogen (i.e., O,S,Se or Te) or
                                nitrogen as the only ring hetero atoms DOAI
           514/449
                          ..Oxygen containing hetero ring
           514/461
                          ...The hetero ring is five-membered
                          ....Chalcogen bonded directly to the hetero
           514/473
  2
    525/209
                    (1 \text{ OR}, 1 \text{ XR})
          Class
                          SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
                            OF THE CLASS 520 SERIES
          525/50
                          .MIXING OF TWO OR MORE SOLID POLYMERS; MIXING
                                OF SOLID POLYMER OR SICP WITH SICP OR SPFI; MIXING OF
SICP
                                WITH AN ETHYLENIC AGENT; MIXING OF SOLID POLYMER WITH
Α
                                CHEMICAL TREATING OR ETHYLENIC AGENT; OR PROCESSES OF FORMING OR REACTING; OR THE RESULTANT PRODUCT OF ANY
OF THE
                                ABOVE OPERATIONS
          525/55
                          ..At least one solid polymer derived from
                               ethylenic reactants only
                          ...Polymer mixture of two or more solid
          525/191
                              polymers derived from ethylenically unsaturated
reactants
                              only; or mixtures of said polymer mixture with a
chemical
                              treating agent; or products or processes of preparing
any
                              of the above mixtures
          525/209
                          ....Solid polymer derived from reactant
                             containing elements other than C, H, O, N, S, or Cl
                   (1 OR, 1 XR)
525 : SYNTHE
     525/240
          class
                          SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
                           OF THE CLASS 520 SERIES
          525/50
                          .MIXING OF TWO OR MORE SOLID POLYMERS; MIXING
                                OF SOLID POLYMER OR SICP WITH SICP OR SPFI; MIXING OF
SICP
                                WITH AN ETHYLENIC AGENT; MIXING OF SOLID POLYMER WITH
Α
                                CHEMICAL TREATING OR ETHYLENIC AGENT; OR PROCESSES OF
                                FORMING OR REACTING; OR THE RESULTANT PRODUCT OF ANY
OF THE
                                ABOVE OPERATIONS
          525/55
                          ..At least one solid polymer derived from
                               ethylenic reactants only
          525/191
                          ...Polymer mixture of two or more solid
                              polymers derived from ethylenically unsaturated
reactants
                              only; or mixtures of said polymer mixture with a
chemical
                              treating agent; or products or processes of preparing
any
                             of the above mixtures
          525/240
                          ....Solid polymer derived from ethylene or
                             propylene
     530/324
                    (1 \text{ OR}, 1 \text{ XR})
  2
                   530:
          Class
                          CHEMISTRY: NATURAL RESINS OR DERIVATIVES;
                            PEPTIDES OR PROTEINS; LIGNINS OR REACTION
                                                                           PRODUCTS
                           THEREOF
                         PEPTIDES OF 3 TO 100 AMINO ACID RESIDUES
          530/300
          530/324
                          .25 or more amino acid residues in defined
```

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10769965_CLSTITLES.txt sequence

```
530/387.7
                      (0 \text{ OR}, 2 \text{ XR})
                             CHEMISTRY: NATURAL RESINS OR DERIVATIVES;
           class
                              PEPTIDES OR PROTEINS; LIGNINS OR REACTION
                                                                                  PRODUCTS
                              THEREOF
           530/350
                            PROTEINS, I.E., MORE THAN 100 AMINO ACID
                                    RESIDUES
                            .Blood proteins or globulins, e.g.,
           530/380
                                   proteoglycans, platelet factor 4, thyroglobulin,
thyroxine,
                                   etc.
                            ..Globulins
           530/386
                            ...Immunoglobulin, antibody, or fragment thereof, other than immunoglobulin antibody, or fragment thereof that is conjugated or absorbed ....Binds expression product of cancer-related gene or fragment thereof (e.g., oncogene, proto-oncogene,
           530/387.1
           530/387.7
                      (0 OR, 2 XR)
    530/388.2
                            CHEMISTRY: NATURAL RESINS OR DERIVATIVES;
           Class
                              PEPTIDES OR PROTEINS; LIGNINS OR REACTION
                                                                                  PRODUCTS
                              THEREOF
                            PROTEINS, I.E., MORE THAN 100 AMINO ACID
           530/350
                                     RESIDUES
           530/380
                            .Blood proteins or globulins, e.g.
                                    proteoglycans, platelet factor 4, thyroglobulin,
thyroxine,
                            ..Globulins
           530/386
           530/387.1
                            ...Immunoglobulin, antibody, or fragment
                                 thereof, other than immunoglobulin antibody, or
fragment
                                 thereof that is conjugated or absorbed
                            ....Monoclonal
           530/388.1
           530/388.2
                            .....Binds microorganism or normal or mutant
                               component or product thereof (e.g., animal cell,
                               cell-surface antigen, secretory product, etc.)
    530/388.22
                      (0 \text{ OR}, 2 \text{ XR})
                             CHEMISTRY: NATURAL RESINS OR DERIVATIVES;
           Class
                    530 :
                              PEPTIDES OR PROTEINS; LIGNINS OR REACTION
                                                                                 PRODUCTS
                              THEREOF
           530/350
                            PROTEINS, I.E., MORE THAN 100 AMINO ACID
                                      RESIDUES
                            .Blood proteins or globulins, e.g.,
           530/380
                                     proteoglycans, platelet factor 4, thyroglobulin.
thyroxine,
                                     etc.
                            ..Globulins
           530/386
           530/387.1
                            ...Immunoglobulin, antibody, or fragment
                                   thereof, other than immunoglobulin antibody, or
fragment
                                   thereof that is conjugated or absorbed
                            ....Monoclonal
           530/388.1
           530/388.2
                            ....Binds microorganism or normal or mutant
                                component or product thereof (e.g., animal cell,
                                cell-surface antigen, secretory product, etc.)
                            .....Binds receptor (e.g., transferrin receptor, Fc receptor, dihydropyridine receptor, IL-2
           530/388.22
                               receptor, etc.)
```

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10769965_CLSTITLES.txt
                          (0 OR, 2 XR)
      530/388.24
             class
                        530 :
                                 CHEMISTRY: NATURAL RESINS OR DERIVATIVES;
                                   PEPTIDES OR PROTEINS; LIGNINS OR REACTION
                                                                                               PRODUCTS
                                   THEREOF
             530/350
                                PROTEINS, I.E., MORE THAN 100 AMINO ACID
                                             RESIDUES
                                .Blood proteins or globulins, e.g.,
proteoglycans, platelet factor 4, thyroglobulin,
             530/380
thyroxine,
             530/386
                                ..Globulins
                               ...Immunoglobulin, antibody, or fragment
             530/387.1
                                        thereof, other than immunoglobulin antibody, or
fragment
                                        thereof that is conjugated or absorbed
             530/388.1
530/388.2
                                ....Monoclonal
                                 ....Binds microorganism or normal or mutant
                                component or product thereof (e.g., animal cell, cell-surface antigen, secretory product, etc.)
.....Binds hormone or other secreted growth regulatory factor, differentiation factor, intercellular mediator, or neurotransmitter (e.g., insulin, human chorionic gonadotropin, intragonadal regulatory protein,
             530/388.24
                                    Mullerian inhibiting substance, inhibin, epidermal growth factor, nerve growth factor, dopamine, norepinephrine,
                                    etc.)
      530/388.8
                         (0 \text{ OR}, 2 \text{ XR})
             class
                        530 :
                                 CHEMISTRY: NATURAL RESINS OR DERIVATIVES;
                                   PEPTIDES OR PROTEINS; LIGNINS OR REACTION
                                                                                               PRODUCTS
                                   THEREOF
             530/350
                                PROTEINS, I.E., MORE THAN 100 AMINO ACID
                                             RESIDUES
                                .Blood proteins or globulins, e.g., proteoglycans, platelet factor 4, thyroglobulin,
             530/380
thyroxine,
                                           etc.
             530/386
                                ..Globulins
                                ...Immunoglobulin, antibody, or fragment
             530/387.1
                                        thereof, other than immunoglobulin antibody, or
fragment
                                        thereof that is conjugated or absorbed
                                ....Monoclonal
             530/388.1
             530/388.2
                                 ....Binds microorganism or normal or mutant
                                     component or product thereof (e.g., animal cell, cell-surface antigen, secretory product, etc.)
             530/388.8
                                 .....Binds cancer cell or component or product
                                    thereof (e.g., cell-surface antigen, etc.)
     530/389.1
                         (0 OR, 2 XR)
                                 CHEMISTRY:
             Class
                                                 NATURAL RESINS OR DERIVATIVES;
                                   PEPTIDES OR PROTEINS; LIGNINS OR REACTION
                                                                                               PRODUCTS
                                   THEREOF
                                PROTEINS, I.E., MORE THAN 100 AMINO ACID RESIDUES
             530/350
                                .Blood proteins or globulins, e.g., proteoglycans, platelet factor 4, thyroglobulin,
             530/380
thyroxine,
                                ..Globulins
             530/386
                                ...Immunoglobulin, antibody, or fragment thereof, other than immunoglobulin antibody, or fragment thereof that is conjugated or absorbed
             530/387.1
```

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10769965_CLSTITLES.txt
            530/389.1
                             ....Polyclonal antibody or immunogloblin of
                                identified binding specificity
     536/24.31
                      (0 \text{ OR}, 2 \text{ XR})
                     536: ORGANIC COMPOUNDS -- PART OF THE CLASS 532-570 SERIES
            Class
            536/1.11
                             .Carbohydrates or derivatives
            536/18.7
                             ..Nitrogen containing
            536/22.1
                             ...N-glycosides, polymers thereof, metal
                                   derivatives (e.g., nucleic acids, oligonucleotides,
etc.)
            536/23.1
                             ....DNA or RNA fragments or modified forms
                            thereof (e.g., genes, etc.)
....Probes for detection of specific
nucleotide sequences or primers for the synthesis of DNA
            536/24.3
or
            536/24.31
                            sequences
  2 544/120
                      (0 OR, 2 XR)
                             ORGANIC COMPOUNDS -- PART OF THE CLASS 532-570 SERIES
            class
                     544 :
            544/1
                             ..Hetero ring is six-membered having two or
                                       more ring hetero atoms of which at least one is
nitrogen
                            (e.g., selenazines, etc.)
...Six-membered hetero ring consists of oxygen,
            544/63
                                      nitrogen and carbon (e.g., 1,2-oxazines, etc)
            544/98
                            ....1,4-Oxazines
            544/106
                            .....Morpholines (i.e., fully hydrogenated
                                   1,4-oxazines
            544/111
                             .....Additional nitrogen containing hetero
                            ring (e.g., thiazetidine, etc.)
.....Diazine ring
            544/114
            544/120
                            ..........1,4-Diazine ring
                      (0 \text{ OR}, 2 \text{ XR})
  2
     544/91
           class
                     544 :
                             ORGANIC COMPOUNDS -- PART OF THE CLASS
                              532-570 SERIES
            544/1
                            .. Hetero ring is six-membered having two or
                                     more ring hetero atoms of which at least one is
nitrogen
                            (e.g., selenazines, etc.)
...Six-membered hetero ring consists of oxygen,
            544/63
                                    nitrogen and carbon (e.g., 1,2-oxazines, etc)
            544/88
                            ....1,3-Oxazines
                            ....Polycyclo ring system having the oxazine ring as one of the cyclos
            544/89
                            .....Bicyclo ring system having the oxazine ring as one of the cyclos ......Three or more ring hetero atoms in the
            544/90
            544/91
                                bicyclo ring system
  2
     702/6
                      (1 \text{ OR}, 1 \text{ XR})
           Class
                             DATA PROCESSING: MEASURING, CALIBRATING, OR
                               TESTING
           702/1
                            MEASUREMENT SYSTEM IN A SPECIFIC ENVIRONMENT
            702/2
                            .Earth science
            702/6
                            ..Well logging or borehole study
  2 702/74
                      (0 \text{ OR}, 2 \text{ XR})
```

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10769965_CLSTITLES.txt
      Class
              702 : DATA PROCESSING: MEASURING, CALIBRATING, OR
                       TESTING
      702/1
                     MEASUREMENT SYSTEM IN A SPECIFIC ENVIRONMENT
      702/57
                     .Electrical signal parameter measurement system
      702/66
                     ..Waveform analysis
      702/71
                     ...Waveform-to-waveform comparison
      702/74
                     ....Signal-in-signal determination
703/27
               (1 OR, 1 XR)
                     DATA PROCESSING: STRUCTURAL DESIGN,
      Class
                       MODELING, SIMULATION, AND EMULATION
      703/23
                     EMULATION
      703/27
                     .Compatibility emulation
              (2 OR, 0 XR)
707 : DATA P
707/104.1
     class
                     DATA PROCESSING: DATABASE AND FILE
                       MANAGEMENT OR DATA STRUCTURES
      707/100
                     DATABASE SCHEMA OR DATA STRUCTURE
      707/104.1
                     .Application of database or data structure
                        (e.g., distributed, multimedia, image)
707/203
               (1 \text{ OR}, 1 \text{ XR})
              707 : DATA PROCESSING: DATABASE AND FILE
      class
                       MANAGEMENT OR DATA STRUCTURES
                     FILE OR DATABASE MAINTENANCE
      707/200
      707/201
                     .Coherency (e.g., same view to multiple users)
      707/203
                     .. Version management
708/523
               (0 OR, 2 XR)
              708 : ELECTRICAL COMPUTERS: ARITHMETIC PROCESSING
      Class
                       AND CALCULATING
      708/100
                     ELECTRICAL DIGITAL CALCULATING COMPUTER
      708/200
                     .Particular function performed
      708/490
                     ... Arithmetical operation
      708/523
                     ...Multiplication followed by addition (i.e.,
711/118
               (0 \text{ OR}, 2 \text{ XR})
     Class
              711 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
                       SYSTEMS: MEMORY
                     STORAGE ACCESSING AND CONTROL
      711/100
                     .Hierarchical memories
      711/117
      711/118
                     .. Caching
               (0 OR, 2 XR)
711/123
     Class
              711:
                     ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
                       SYSTEMS: MEMORY
      711/100
                     STORAGE ACCESSING AND CONTROL
      711/117
                     .Hierarchical memories
      711/118
                     ...Caching
                     ...Multiple caches
      711/119
      711/123
                     ....User data cache and instruction data cache
711/125
               (2 \text{ OR}, 0 \text{ XR})
     Class
              711 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
                       SYSTEMS: MEMORY
     711/100
                     STORAGE ACCESSING AND CONTROL
      711/117
                     .Hierarchical memories
      711/118
                     ..Caching
      711/125
                     ...Instruction data cache
                                    Page 28
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```
2 711/151
                 (2 OR, 0 XR)
        Class
                711 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
                        SYSTEMS: MEMORY
        711/100
711/147
                      STORAGE ACCESSING AND CONTROL
                       .Shared memory area ..Prioritized access regulation
        711/151
  711/154
                 (1 OR, 1 XR)
        Class
                711 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
                        SYSTEMS: MEMORY
        711/100
                      STORAGE ACCESSING AND CONTROL
        711/154
                       .Control technique
  711/204
                 (1 OR, 1 XR)
                711 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
        Class
                        SYSTEMS: MEMORY
        711/200
                      ADDRESS FORMATION
                       .Address mapping (e.g., conversion,
        711/202
                            translation)
        711/203
                       ..Virtual addressing
        711/204
                       ...Predicting, look-ahead
                 (2 OR, 0 XR)
  711/208
                711 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
        Class
                        SYSTEMS: MEMORY
                      ADDRESS FORMATION
        711/200
                       .Address mapping (e.g., conversion,
        711/202
                             translation)
        711/203
                       ..Virtual addressing
                       ... Translation tables (e.g., segment and page
        711/206
                           table or map)
        711/208
                       .... Segment or page table descriptor
                 (0 OR, 2 XR)
11 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
2 711/213
                711:
        Class
                        SYSTEMS: MEMORY
        711/200
                      ADDRESS FORMATION
        711/213
                       .Generating prefetch, look-ahead, jump, or
                         predictive address
2 711/3
                 (1 OR, 1 XR)
                711 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
        Class
                        SYSTEMS: MEMORY
                      ADDRESSING COMBINED WITH SPECIFIC MEMORY
        711/1
                           CONFIGURATION OR SYSTEM
        711/3
                       .Addressing cache memories
                 (0 OR, 2 XR)
  712/1
        Class
                712:
                       ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
                        SYSTEMS: PROCESSING ARCHITECTURES AND INSTRUCTION
                        PROCESSING
        712/1
                      PROCESSING ARCHITECTURE
                 (2 OR, 0 XR)
  712/207
                712 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
        Class
                        SYSTEMS: PROCESSING ARCHITECTURES AND INSTRUCTION
                        PROCESSING
        712/205
                      INSTRUCTION FETCHING
        712/207
                       Prefetching
2 712/210
                 (0 OR, 2 XR)
                712 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
        Class
                                     Page 29
```

```
10769965_CLSTITLES.txt
                         SYSTEMS:
                                    PROCESSING ARCHITECTURES AND
                                                                       INSTRUCTION
                         PROCESSING
      712/209
                       .Decoding instruction to accommodate plural
                           instruction interpretations (e.g., different dialects,
                           languages, emulation, etc.)
                      .Decoding instruction to accommodate variable length instruction or operand
      712/210
                 (0 OR, 2 XR)
712/211
      Class
               712 :
                       ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
                        SYSTEMS: PROCESSING ARCHITECTURES AND
                                                                       INSTRUCTION
                        PROCESSING
                      .Decoding instruction to accommodate plural
      712/209
                           instruction interpretations (e.g., different dialects,
                      languages, emulation, etc.)

Decoding instruction to generate an address of a microroutine
      712/211
712/212
                 (0 \text{ OR}, 2 \text{ XR})
               712:
                       ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
                        SYSTEMS:
                                   PROCESSING ARCHITECTURES AND
                                                                       INSTRUCTION
                        PROCESSING
      712/209
                      .Decoding instruction to accommodate plural
                           instruction interpretations (e.g., different dialects,
                      languages, emulation, etc.)
Decoding by plural parallel decoders
      712/212
712/219
                 (1 OR, 1 XR)
      Class
               712:
                       ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
                        SYSTEMS: PROCESSING ARCHITECTURES AND
                                                                       INSTRUCTION
                        PROCESSING
      712/216
                      DYNAMIC INSTRUCTION DEPENDENCY CHECKING.
                           MONITORING OR CONFLICT RESOLUTION
      712/219
                      .Reducing an impact of a stall or pipeline
                          bubble
712/229
                 (0 \text{ OR}, 2 \text{ XR})
               712 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
      class
                        SYSTEMS:
                                   PROCESSING ARCHITECTURES AND INSTRUCTION
                        PROCESSING
      712/220
                      PROCESSING CONTROL
      712/229
                      .Mode switch or change
712/237
                (0 \text{ OR}, 2 \text{ XR})
               712 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
      Class
                        SYSTEMS: PROCESSING ARCHITECTURES AND
                                                                     INSTRUCTION
                        PROCESSING
      712/220
                      PROCESSING CONTROL
                      Branching (e.g., delayed branch, loop control, branch predict, interrupt)
..Conditional branching
      712/233
      712/234
      712/237
                      ...Prefetching a branch target (i.e., look
                         ahead)
712/238
                 (0 \text{ OR}, 2 \text{ XR})
               712 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
      Class
                                   PROCESSING ARCHITECTURES AND
                        SYSTEMS:
                                                                      INSTRUCTION
                        PROCESSING
      712/220
                      PROCESSING CONTROL
                      .Branching (e.g., delayed branch, loop control,
      712/233
                             branch predict, interrupt)
      712/234
                      ... Conditional branching
      712/237
                      ...Prefetching a branch target (i.e., look
                                       Page 30
```

10769965_CLSTITLES.txt ahead) 712/238Branch target buffer 2 712/24 (1 OR, 1 XR)712: ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: PROCESSING ARCHITECTURES AND INSTRUCTION Class **PROCESSING** 712/1 PROCESSING ARCHITECTURE .Long instruction word 712/24 712/245 (1 OR, 1 XR)Class 712 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: PROCESSING ARCHITECTURES AND INSTRUCTION **PROCESSING** 712/220 PROCESSING CONTROL 712/245 .Processing sequence control (i.e., microsequencing) 712/4 (0 OR, 2 XR)Class 712 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: PROCESSING ARCHITECTURES AND **INSTRUCTION PROCESSING** 712/1 PROCESSING ARCHITECTURE 712/2 .Vector processor ..Distributing of vector data to vector 712/4 registers 712/42 (0 OR, 2 XR)Class 712 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: PROCESSING ARCHITECTURES AND INSTRUCTION **PROCESSING** 712/1 PROCESSING ARCHITECTURE 712/32 .Microprocessor or multichip or multimodule processor having sequential program control 712/42 ..Operation 2 712/43 (1 OR, 1 XR)class ELECTRICAL COMPUTERS AND DIGITAL PROCESSING PROCESSING ARCHITECTURES AND SYSTEMS: INSTRUCTION **PROCESSING** 712/1 PROCESSING ARCHITECTURE 712/32 .Microprocessor or multichip or multimodule processor having sequential program control 712/42 ..Operation 712/43 ... Mode switching (0 OR, 2 XR)2 712/7 class ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: PROCESSING ARCHITECTURES AND INSTRUCTION **PROCESSING** 712/1 PROCESSING ARCHITECTURE 712/2 .Vector processor 712/7 .. Vector processor operation 712/8 (0 OR, 2 XR)class 712 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING PROCESSING ARCHITECTURES AND SYSTEMS: INSTRUCTION **PROCESSING** PROCESSING ARCHITECTURE 712/1 712/2 .Vector processor 712/7 .. Vector processor operation 712/8 ...Sequential

10769965_CLSTITLES.txt 712/9 (0 OR, 2 XR)Class 712 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: PROCESSING ARCHITECTURES AND INSTRUCTION **PROCESSING** 712/1 PROCESSING ARCHITECTURE 712/2 712/7 .Vector processor operation 712/9 ...Concurrent 2 715/505 (0 OR, 2 XR)Class 715 : DATA PROCESSING: PRESENTATION PROCESSING OF DOCUMENT 715/500 PRESENTATION PROCESSING OF DOCUMENT 715/505 .Form (0 OR, 2 XR) 715 : DATA PROCESSING: PRESENTATION PROCESSING OF 715/529 Class **DOCUMENT** 715/500 PRESENTATION PROCESSING OF DOCUMENT 715/526 .Display processing 715/529 ..Text attribute 2 715/531 (0 OR, 2 XR) Class 715 : DATA PROCESSING: PRESENTATION PROCESSING OF DOCUMENT 715/500 PRESENTATION PROCESSING OF DOCUMENT 715/530 .Edit, composition, or storage control 715/531 ..Text (0 OR, 2 XR) 715/539 715 : DATA PROCESSING: PRESENTATION PROCESSING OF Class **DOCUMENT** 715/500 PRESENTATION PROCESSING OF DOCUMENT 715/530 715/539 .Edit, composition, or storage control ..Block control 2 715/541 (0 OR, 2 XR)715 : DATA PROCESSING: PRESENTATION PROCESSING OF Class **DOCUMENT** 715/500 PRESENTATION PROCESSING OF DOCUMENT 715/530 .Edit, composition, or storage control 715/541 .. Handwritten textual input

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cable 1
calculating 4 calculator 10
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canprovide 1 capable 5
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